

A	A/T - Wiring diagram - AT -	
	VSS/AT	AT-136, 220
A/C HFC134a (R134a) system	A/T - Wiring diagram - AT -	
precaution HA-3, 130	VSSMTR	AT-215, 225
A/C HFC134a (R134a) system service	A/T - Wiring diagram	AT-16
procedure HA-109, 200	A/T IND - Wiring diagram	EL-151
A/C HFC134a (R134a) system service	A/T control	EC-482
tools HA-12, 139	A/T diagnosis communication line .	EC-395, 506
A/C HFC134a system service equip-	A/T fluid temperature sensor	
ment precaution HA-8, 135	A/T self-diagnoses AT	-40, 49, 55, 60
A/C air flow HA-28, 150	A/T shift lock system - Wiring	
A/C component layout HA-21, 148	diagram	AT-337
A/C compressor clutch removal and	A/T shift lock system	
installation HA-114, 205	A/T trouble diagnoses	AT-66, 73
A/C compressor description HA-142	AAC/V - Wiring diagram	EC-327, 47
A/C compressor precaution HA-8, 135	ABS (anti-lock brake system)	
A/C compressor special service	ABS - Wiring diagram	
tool HA-11, 138	ABS sensor rotor	
A/C control linkage adjustment	AP/SEN - Wiring diagram	EC-405
(manual A/C) HA-168, 172, 176	ASCD (automatic speed control	
A/C control operation (auto A/C) HA-25	device)	EL-216
A/C control operation (manual A/C) HA-149	ASCD - Wiring diagram	EL-220
A/C diagnostic work flow (auto A/C) HA-50	AT indicator lamp	EL-151
A/C diagnostic work flow (manual	AT/C - Wiring diagram	
A/Č) HA-160	ATDIAG - Wiring diagram	
A/C harness layout (auto A/C) HA-31	AUDIO - Wiring diagram	
A/C harness layout (manual A/C) HA-152	Absolute pressure sensor	
A/C lubricant (Ř134a) HA-111, 202	Accelerator control system	
A/C operational check HA-51, 161	Air bag disposal	
A/C performance chart HA-86, 193	Air bag precautions	GI-3
A/C performance test diagnoses HA-84, 191	Air bag	
A/C relay HA-82, 189	Air bleeding (hydraulic clutch)	
A/C self-diagnoses (auto A/C) HA-40	Air bleeding for brake system	BR-8
A/C service data specification HA-129, 220	Air cleaner filter replacement	MA-20
A/C system description (auto A/C) HA-25	Air conditioner cut control	EC-3 ²
A/C trouble diagnoses (auto A/C) HA-31	Air flow meter - See Mass air flow	
A/C trouble diagnoses (manual A/C) HA-152	sensor	EC-13 ²
A/C, A - Wiring diagram HA-34	Air mix door control linkage	
A/C, M - Wiring diagram HA-156	adjustment	HA-65, 172
A/T - Wiring diagram - AT - 1ST AT-147	Air mix. door motor H.	A-63, 108, 169
A/T - Wiring diagram - AT - 2ND AT-153	Air spoiler, rear	BT-32
A/T - Wiring diagram - AT - 3RD AT-159	Alternator	SC-22
A/T - Wiring diagram - AT - 4TH AT-166	Ambient sensor	
A/T - Wiring diagram - AT -	Angular tightening application	EM-3
BA/FTS AT-208, 258	Antenna - See Power antenna	EL-198
A/T - Wiring diagram - AT -	Anti-lock brake system - Wiring	
ENG SS AT-141, 264	diagram	BR-45
A/T - Wiring diagram - AT - FTS AT-130	Audio and A/C control removal and	
A/T - Wiring diagram - AT - LPSV AT-178, 269	installation - See Instrument pane	el BT-20
A/T - Wiring diagram - AT - MAIN AT-119	Audio	EL-183
A/T - Wiring diagram - AT -	Auto air conditioner - Wiring diagrar	m HA-34
NONDTC AT-277	Automatic amplifier	HA-38, 5 ⁴
A/T - Wiring diagram - AT -	Automatic speed control system - S	
OVRCSV AT-203, 248	ASCD	EL-216
A/T - Wiring diagram - AT - PNP/SW AT-124	Automatic transmission fluid	
A/T - Wiring diagram - AT - SSV/A AT-184, 238	replacement	
A/T - Wiring diagram - AT - SSV/B AT-189, 243	Automatic transmission number	
A/T - Wiring diagram - AT - TCV AT-173, 253	Auxiliary air control (AAC) valve	EC-324, 469
A/T - Wiring diagram - AT - TPS AT-195, 230	•	

В		Coil spring (front)	SU-9
		Coil spring (rear)	SU-22
B/COMP - Wiring diagram	EL-141	Collision diagnosis	RS-59
BACK/L - Wiring diagram		Combination lamp, rear, removal and	
Back-up lamp switch (M/T)		installation	BT-32
Back-up lamp		Combination meter removal and insta	al-
Ball joint (front)		lation - See Instrument panel	BT-20
Basic inspection		Combination meter	
Battery		Combination switch	
Baulk ring (M/T)		Compression pressure	EM-11
Blower motor		Compressor clutch removal and	
Blower resistor		installation	HA-114, 205
Board computer		Compressor description	
Board-on lift		Compressor precaution	
Body alignment		Compressor special service tool	
Brake booster		Connecting rod bearing clearance	
Brake control valve (Proportioning		Connecting rod bushing clearance	EM-67
valve)	BP-11	Connecting rod	
Brake fluid change		Console box - See Instrument panel	
Brake fluid level and line check		Control valve (A/T)	
Brake fluid level		Converter housing installation	
		Coolant mixture ratio	
Brake hydraulic line		Coolant replacement	
Brake lines and cables inspection		Cooling circuit (engine)	
Brake master cylinder		Cooling fan control system	
		Cooling fan control	
Brake pedal		Coupling sleeve (M/T)	
Bulb specifications		Crankcase emission control system -	
Bumper, front Bumper, rear		See Positive crankcase ventilation	
bumper, rear	Б1-0	Crankshaft position sensor (POS)	0 00
		chipping	EC-387
		Crankshaft position sensor (POS)	FC-295 451
С		Crankshaft position sensor (REF)	
CLIABCE Wiring diagram	CC 20	Crankshaft	
CHARGE - Wiring diagram		Cruise control - See ASCD	
CHIME - Wiring diagram		Cylinder block	
CIGAR - Wiring diagram		Cylinder head bolt tightening	
CKPS - Wiring diagram		Cylinder head	
CLOCK - Wiring diagram		Cymraer riedd minininninninnin	
CONSULT for ABS			
CONSULT for engine		D	
COOL/F - Wiring diagram			
Camshaft position sensor (PHASE)		DEF - Wiring diagram	FI -175
		DTC work support	
Canister - See EVAP canister		Data link connector for Consult	
Charging system		Detonation sensor - See Knock	
Chassis and body maintenance		sensor	FC-289
Cigarette lighter		Diagnosis sensor unit	
Circuit breaker		Diagnostic trouble code (DTC) for	100 10
Clearance lamp		OBD system	FC-7 58
Clock		Diagnostic trouble code (DTC) inspec	
Closed throttle position switch		tion priority chart	
Clutch cover		Differential gear (FF A/T)	
Clutch disc		Differential gear (FF M/T)	MT-1/ 29
Clutch fluid level		Dimensions	
Clutch master cylinder		Dome light - See Interior lamp	
Clutch operating cylinder		Door glass	
Clutch pedal		Door lock	
Clutch release bearing		Door mirror	
Clutch release mechanism		Door trim	
Clutch withdrawal lever	UL-16	שטט וווווו וווווו וווווו	וט

D ()	First Co. Tr. DT04
Door, front BT-11	Finisher, interior - See Trim BT-24
Door, rear BT-11	Finisher, trunk lid BT-31
Drive plate runout EM-68	Floor trim BT-24
Drive shaft (front)	Fluid temperature sensor (A/T) AT-128
Dropping resistor (A/T) AT-176, 267	Fluids MA-13
	Flywheel (clutch) CL-18
	Flywheel runout EM-68
E	Fog lamp, front, removal and
	installation BT-5
ECM input/output signal EC-114	Fog lamp, front EL-90
ECTS - Wiring diagram EC-148	Fork rod (M/T)
EMNT - Wiring diagram EC-540	Forward clutch AT-401
EVAP canister purge volume control	Freeze frame data EC-46, 59
solenoid valve EC-32, 314, 459	Front axle
EVAP canister EC-33	Front bumper BT-5
EVAP vapor lines inspection MA-24	Front combination lamp removal and
Electric sunroof EL-202	installation BT-5
Electrical diagnoses GI-21	Front disc brake BR-25
Electrical ignition system EC-30	Front door BT-11
Electrical unit EL-425	Front fog lamp removal and
Electrical units location EL-369	installationBT-5
Engine compartment BT-55	Front fog lamp EL-90
Engine control circuit diagram EC-24	Front heated oxygen sensor (HO2S)
Engine control component parts	(Left bank) EC-158, 168, 176,
location EC-20	184, 197, 415
Engine control module (ECM) EC-341	Front heated oxygen sensor (HO2S)
Engine control system diagram and	(Right bank) EC-158, 168, 176,
chart EC-25	184, 197, 415
Engine coolant temperature sensor	Front heated oxygen sensor heater
(ECTS) EC-146	(Left bank) EC-205, 424
Engine fail-safe system EC-104	Front heated oxygen sensor heater
Engine mounting control (Front) EC-539	(Right bank) EC-205, 424
Engine oil filter replacement MA-21	Front seat belt RS-5
Engine oil precautions GI-7	Front seat BT-38
Engine oil replacement MA-21	Front suspension SU-2
Engine outer component parts EM-8	Front washer EL-163
Engine removal EM-56	Front wiper EL-163
Engine room - See Engine	Fuel cut control (at no load & high
compartment BT-55	engine speed) EC-32
Engine serial number GI-40	Fuel gauge EL-123
Evaporative.emission.(EVAP).system EC-32	Fuel injection system (Left bank) EC-261, 269
Exhaust system inspection MA-25	Fuel injection system (Right bank) . EC-261, 269
Exhaust system FE-9	Fuel line inspection MA-20
Exterior BT-32	Fuel precautions GI-8
	Fuel pressure check EC-37
	Fuel pressure regulator EC-37
F	Fuel pressure release EC-36
	Fuel pump EC-533
F/FOG - Wiring diagram EL-91	Fuel system FE-4
F/PUMP - Wiring diagram EC-534	Fuel tank vacuum relief valve EC-33
F02H-L - Wiring diagram EC-208, 417, 426	Fuse block EL-423
F02H-R - Wiring diagram EC-207, 416, 425	Fuse EL-17
FR02LH - Wiring diagram EC-162, 188, 200	Fusible link EL-17
FR02RH - Wiring diagram EC-161, 187, 199	
FUELLH - Wiring diagram EC-264, 272	
FUELRH - Wiring diagram EC-263, 271	G
Fan control amp HA-71	
Fan switch HA-178	Garage jack and safety stand GI-43
Final drive (FF A/T) AT-423	Gauges EL-123
Final drive (FF M/T) MT-14, 28	Gear components (M/T) MT-14

Generator - See Alternator SC-22	Interior BT-24
Generic scan tool (GST) EC-84	
Glass BT-12	
Grease MA-13	J
Ground distribution EL-18	J
	Jacking points GI-43
	Joint connector (J/C) EL-426
Н	Junction box (J/B) EL-423
	,
H/LAMP - Wiring diagram EL-42, 49	
HFC1.34a.(R1.34a).system.precaution HA-3, 130	K
HFC134a (R134a) system service	
procedure HA-109, 200	KS - Wiring diagram EC-291
HFC134a (R134a) system service	Keyless entry system - See Multi-re-
tools HA-12, 139	mote control system EL-271
HFC134a system service equipment	Knock sensor (KS) EC-289
precaution HA-8, 135	Knuckle spindle AX-5
HLC - Wiring diagram EL-169	
HORN - Wiring diagram EL-171	
HSEAT - Wiring diagram EL-213	L
Harness connector EL-5	
Harness layout EL-377	LOAD - Wiring diagram EC-552
Hazard warning lamp EL-95	Length (Dimensions) GI-41
Headlamp aiming control EL-71	License lamp EL-85
Headlamp removal and installation BT-5	Lifting points GI-44
Headlamp washer EL-168	Line pressure solenoid valve AT-176, 267
Headlamp EL-41, 47	Line pressure test (A/T) AT-82
Headlining - See Roof trim BT-29	Liquid gasket application EM-3
Heated seat BT-40, EL-213	Location of electrical units EL-369
Height (Dimensions) GI-41	Lock, door BT-16
High clutch AT-396	Low and reverse brake AT-406
Hood BT-5	Lubricant (R134a) A/C HA-111, 202
Horn EL-171	Lubricants MA-13
How to erase DTC for OBD system EC-56, 59	Lubrication circuit (engine) LC-3
,	Lubrication-locks, hinges and hood
	latches MA-31
I	
IACV-AAC valve EC-324, 469	M
IATS - Wiring diagram EC-143, 411	MT 10
IGN/SG - Wiring diagram EC-371, 496	M/T major overhaul MT-12
ILL - Wiring diagram EL-104	M/T removal and installation
INJECT - Wiring diagram EC-524	MAFS - Wiring diagram EC-137
Identification plate	MAIN - Wiring diagram EC-127
Idle air control valve (IACV) EC-324, 469	MAJOR OVERHALL AT-352
Ignition control system EC-369, 495	METER - Wiring diagram EL-130
Illumination EL-102	MIL & Data link connectors circuit EC-558
In vehicle sensor	MIL/DL - Wiring diagram EC-558
Injector removal and installation EC-38	MIRROR - Wiring diagram EL-204
Injector EC-523	Magnet clutch HA-77, 114, 205
Input shaft (FF M/T) MT-14, 19	Mainshaft (M/T) MT-14, 24
Instrument panel BT-20	Maintenance (engine) MA-15
Intake air temperature sensor EC-141, 410	Malfunction indicator lamp (MIL) EC-60
Intake door control linkage	Manual air conditioner - Wiring
adjustment	diagram HA-156
Intake door motor HA-66, 173	Manual transmission oil replacement MA-26
Intake manifold EM-10	Mass air flow sensor (MAFS) EC-134
Intake sensor	Master cylinder (brake) BR-14
Interior lamp on-off control EL-110	Master cylinder (clutch)
Interior lamp EL-109	Meter EL-123

Mirror defogger EL-174	Piston assembly EM-68
Mirror, door BT-52	Piston pin inspection EM-60
Misfire EC-281	Piston ring inspection EM-61
Mode door control linkage	Piston to bore clearance EM-63
adjustment HA-62, 168	Power antenna EL-198
Mode door motor HA-57, 166	Power door mirror EL-204
Model variation	Power seat EL-209
Molding - See Exterior BT-32	Power steering fluid level MA-31, ST-7
Multi-remote control system EL-271	Power steering gearST-15
Multiport fuel injection (MFI) system EC-28	Power steering hydraulic pressure ST-9
Multiport fuel injection precautions GI-6	Power steering oil pressure switch EC-543
, ,	Power steering oil pump ST-25
	Power steering system bleeding ST-7
N	Power supply routing EL-9
	Power transistor & ignition coil EC-369, 495
NATS (Nissan Anti-theft System)	Power window EL-241
precautions	Precautions (General) GI-4
NATS (Nissan Anti-theft System) EL-287	Pressure plate - See Clutch cover CL-18
NATS - Wiring diagram EL-290	Pressure test (A/T) AT-82
NVH troubleshooting (AX) AX-3	71 02
NVH troubleshooting (BR) BR-6	
NVH troubleshooting (MT) MT-6	R
NVH troubleshooting (ST) ST-5	K
NVH troubleshooting (SU)	R/FOG - Wiring diagram EL-93
NVH troubleshooting CL CL-4	R02H-L - Wiring diagram EC-257
NVIS (Nissan vehicle immobiliser sys-	
tem) precautions GI-3	REF - Wiring diagram EC-383 RO2H-R - Wiring diagram EC-256
terri) precautions Gi-3	ROOM/L - Wiring diagram EL-112
	RR02LH - Wiring diagram EC-217, 228, 239,
	249, 433, 442
0	RR02RH - Wiring diagram EC-216, 227, 238,
Oil change (canacity) MA 12	0.40 400 444
Oil change (capacity)	248, 432, 441 Radiator LC-18, 20
Oil pan (engine) EM-12	Radio - See Audio EL-183
Oil pressure (engine) LC-4	Rear air spoiler BT-32
Oil pump (A/T)	Rear axle (disc brake type)
Oil pump (engine) LC-4	
Oil pump regulator valve (engine) LC-6	Rear axle AX-17 Rear bumper BT-8
Oil seal replacement (engine) EM-34	
On board diagnostic system EC-44	Rear combination lamp removal and installation BT-32
Operating cylinder (clutch)	Rear disc brake BR-29
Overdrive control switch	Rear door BT-11
Overrun clutch solenoid valve AT-201, 246	
Overrun clutch AT-401	Rear fog lamp EL-93
	Rear heated oxygen sensor (HO2S)
	heater EC-254, 440
P	Rear heated oxygen sensor (HO2S) EC-212,
DANK NAME OF THE PROPERTY OF T	223, 234, 245, 431
P/ANT - Wiring diagram EL-199	Rear seat belt
PCV (positive crankcase ventilation) EC-35	Rear seat BT-41
PGC/V - Wiring diagram EC-316, 460	Dana attance at a control of the con
	Rear suspension SU-16
PHASE - Wiring diagram EC-305	Rear window defogger EL-174
PNP/SW - Wiring diagram EC-400, 511	Rear window defogger EL-174 Rear window BT-50
PNP/SW - Wiring diagram EC-400, 511 POS - Wiring diagram EC-297, 389	Rear window defogger EL-174 Rear window BT-50 Refrigerant connection precaution HA-5, 132
PNP/SW - Wiring diagram EC-400, 511 POS - Wiring diagram EC-297, 389 POWER - Wiring diagram EL-10	Rear window defogger EL-174 Rear window
PNP/SW - Wiring diagram	Rear window defogger
PNP/SW - Wiring diagram EC-400, 511 POS - Wiring diagram EC-297, 389 POWER - Wiring diagram EL-10	Rear window defogger
PNP/SW - Wiring diagram EC-400, 511 POS - Wiring diagram EC-297, 389 POWER - Wiring diagram EL-10 PST/SW - Wiring diagram EC-544 Park/Neutral position switch EC-398, 510 Park/neutral position switch (A/T) AT-122	Rear window defogger
PNP/SW - Wiring diagram	Rear window defogger
PNP/SW - Wiring diagram EC-400, 511 POS - Wiring diagram EC-297, 389 POWER - Wiring diagram EL-10 PST/SW - Wiring diagram EC-544 Park/Neutral position switch EC-398, 510 Park/neutral position switch (A/T) AT-122	Rear window defogger
PNP/SW - Wiring diagram EC-400, 511 POS - Wiring diagram EC-297, 389 POWER - Wiring diagram EL-10 PST/SW - Wiring diagram EC-544 Park/Neutral position switch EC-398, 510 Park/neutral position switch (A/T) AT-122 Park/neutral position switch (M/T) MT-9	Rear window defogger

Reverse clutch	AT-393	Steering wheel turning force	ST-8
Reverse idler shaft (M/T)		Stop lamp	
Reverse lamp switch (M/T) - See		Striking rod (M/T)	
Back-up lamp switch (M/T)	MT-9	Strut (front)	
Reverse main gear (M/T)		Strut (rear)	SU-20
Revolution sensor (A/T)	AT-134, 218	Sunload sensor	HA-102
Road wheel size	GI-41	Sunroof, electric	
Roof trim		Sunroof	
Room lamp - See Interior lamp	EL-109	Super lock	
		Supplemental Restraint System	
		Supplemental restraint system - Wir	ing
S		diagram	
		Swirl control valve control solenoid	
S/LOCK - Wiring diagram		valve	
S/SIG - Wiring diagram		Symbols and abbreviations	
SAE J1930 terminology list		Symptom matrix chart	
SEAT - Wiring diagram		Synchronizer (M/T)	
SHIFT - Wiring diagram		System readiness test (SRT) code	EG-47
SMJ (super multiple junction)			
SROOF - Wiring diagram	EL-202	_	
SRS - See Supplemental Restraint	DC 10	Т	
System		TAIL /L \/\/iring diagram	EI 06
START - Wiring diagram		TAIL/L - Wiring diagram	
STOP/L - Wiring diagramSWL/V - Wiring diagram		TCM circuit diagramTCM inspection table	
Seal - See Exterior		TFTS - Wiring diagram	
Seat belt inspection		TP/SW - Wiring diagram	
Seat belt pre-tensioner disposal		TPS - Wiring diagram	
Seat belt pre-tensioner		TURN - Wiring diagram	
Seat belt, front		Tachometer	
Seat belt, rear		Tail lamp	
Seat, front		Tank fuel temperature sensor	
Seat, rear		Thermostat	
Shift control components (M/T)		Three way catalyst function (Left	
Shift fork (M/T)		bank)	EC-309
Shift lever		Three way catalyst function (Right	
Shift lock system		bank)	EC-309
Shift schedule		Three way catalyst precautions	
Shift solenoid valve A (A/T)	AT-182, 236	Throttle bodies	
Shift solenoid valve B (A/T)	AT-187, 241	Throttle position sensor (TPS)	EC-151
Shock absorber (front)	SU-10	Throttle position sensor adjustment	EC-90
Shock absorber (rear)	SU-22	Throttle position switch AT-	192, 228, 323
Side air bag			EC-333, 477
Side trim		Throwout bearing - See Clutch relea	
Spare tire size		bearing	CL-16
Spark plug replacement		Tie-rod ball joints	
Speedometer		Tie-rod	
Spiral cable		Tightening torque of standard bolts	
Spring (Wheelarch) height		Timing chain	
Stabilizer bar (front)		Tire rotation	
Stall test (A/T)		Tire size	GI-41
Standardized relay		Torque converter clutch solenoid	AT 474 OF 4
Start signal		valve	
Starting system		Torque converter installation	
Starting system		Tow truck towing	
Steering gear and linkage inspection		Transmission case (M/T)	
Steering linkage		Transmission case (M/T)	
Steering switchSteering wheel and column		Tread-FR&RR (Dimensions) Trim	
Steering wheel play		Trouble diagnoses	
Clocking willow play	01-0	Trouble diagricos	

Trunk lid finisher BT-31	W
Trunk lid opener - See Trunk lid BT-8	
Trunk lid trim BT-31	WARN - Wiring diagram EL-146
Trunk lid BT-8	WINDOW - Wiring diagram EL-244
Trunk room trim BT-31	WIPER - Wiring diagram EL-165
Turn signal lamp EL-95	Warning chime EL-153
Two trip detection logic EC-44	Warning lamps EL-145
Two-pole lift GI-44	Washer, front EL-163
•	Water pump LC-12
	Water temperature gauge EL-123
U	Weatherstrip - See Exterior BT-32
	Wheel alignment (front)
Under body BT-57	Wheel alignment (rear)
Olidor body	Wheel balance MA-27
V	Wheel bearing (front)
V	Wheel bearing (rear)
VIAS Wiring diagram EC 510	Wheel hub (front)
VIAS - Wiring diagram EC-519 VIAS EC-517	Wheel hub (rear)
VSS - Wiring diagram EC-322, 466	Wheelarch height
Vacuum hose (brake system) BR-24	Wheelbase (Dimensions)
	Wide open & closed throttle position
Vacuum hose drawing (Engine control) EC-26 Valve clearance EM-51	switch EC-151
	Window room GI-41
Valve guide EM-42 Valve seat EM-43	Window, rear BT-50
	Windshield
Valve spring EM-44	Wiper, front EL-163
Variable induction air control	Wiring diagram (cell code) list EL-418
system (VIAS) EC-517	Wiring diagrams
Vehicle speed sensor (VSS) EC-320, 465	Withdrawal lever (clutch) CL-16
Viscosity number (SAE) MA-14	Wrist pin - See Piston pin inspection EM-60
Viscous coupling (FF A/T) AT-423	
Viscous coupling (FF M/T) MT-9	